

# Disaster Data - South Asia 2007

## Appendix – I A

### South Asia Disaster Profile 2007

Disaster Event>>>	Cyclone	Flood	Heat and cold waves	Land slides	Epidemic	Total	Cyclone	Flood	Heat and cold waves	Land slides	Epidemic	Total
<b>Country</b>	<b>Injured in numbers</b>						<b>Homeless in numbers</b>					
Afghanistan	-	20	-	-	-	20	-	3480	-	-	-	3480
Bangladesh	55282	60	-	-	-	55342	225	-	-	-	-	225
India	-	8	25	-	-	33	-	-	-	-	-	-
Maldives	-	-	-	-	-	-	-	-	-	-	-	-
Nepal	-	48	-	-	-	48	-	-	-	-	-	-
Pakistan	-	206	-	3	-	209	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>55282</b>	<b>342</b>	<b>25</b>	<b>3</b>	<b>-</b>	<b>55652</b>	<b>225</b>	<b>3480</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3705</b>
<b>Country</b>	<b>Total affected in numbers</b>						<b>Killed in numbers</b>					
Afghanistan	-	26755	-	-	-	26755	-	296	-	-	-	296
Bangladesh	8923259	13851380	100000	-	284910	23159549	4275	1230	130	-	86	5721
India	-	38143000	-	-	-	38143000	-	2051	185	-	-	2236
Maldives	-	1649	-	-	-	1649	-	-	-	-	-	-
Nepal	-	640658	-	-	-	640658	-	214	-	-	-	214
Pakistan	1650000	2500	-	2	-	1652502	242	526	-	143	-	911
Sri Lanka	-	406000	-	-	-	406000	-	33	-	-	-	33
<b>Total</b>	<b>10573259</b>	<b>53071942</b>	<b>100000</b>	<b>2</b>	<b>284910</b>	<b>64030113</b>						
<b>Country</b>	<b>Estimated Damage US\$x1000</b>						<b>Miscellaneous accident Killed in numbers</b>		<b>Transport Accident Killed in numbers</b>		<b>Total</b>	
Afghanistan	-	-	-	-	-	-	-		40		40	
Bangladesh	2300000	114000	-	-	-	2414000	24		41		65	
India	-	376151	-	-	-	376151	125		282		407	
Maldives	-	-	-	-	-	-	-		-		-	
Nepal	-	2400	-	-	-	2400	15		46		61	
Pakistan	1620000	327118	-	-	-	1947118	-		77		77	
Sri Lanka	-	50	-	-	-	50	-		22		22	
<b>Total</b>	<b>3920000</b>	<b>841719</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4761719</b>	<b>164</b>		<b>508</b>		<b>672</b>	

Source: Emergency Data (EM-DAT) base of Centre for Epidemiology of Disasters, Leuven, Belgium

Note : \* The disaster data is taken form Emergency Data (EM-DAT) only

## Appendix – I B

### South Asia Disaster Events 2007

Disaster type	Disaster Sub-Type	Name of Disaster	Country	Start Year	Start Month	Start Day	End Month	End Day	Person Killed	Person Affected	Person Homeless	Person Affected	Damage (USD'000)
Flood	General flood		Afghanistan	2007	3	18	3	26	104	20000	-	20000	-
Flood	General flood		Sri Lanka	2007	1	12	1	14	18	35000	-	35000	-
Massmovement wet	Avalanche		Pakistan	2007	3	30	4	2	43	-	-	3	-
Flood	General flood		Bangladesh	2007	6	11	6	12	120	80000	-	80060	14000
Flood	Flash flood		Afghanistan	2007	5	14	5	18	23	2000	950	2950	-
Flood	General flood		Afghanistan	2007	5	5	5	7	10	630	15	645	-
Flood	Flash flood		Sri Lanka	2007	5	2	5	7	15	121000	-	121000	50
Flood	Flash flood		Afghanistan	2007	4	23	5	4	36	-	-	-	-
Extreme temperature	Heat wave		India	2007	4	-	6	-	72	-	-	-	-
Flood	General flood		India	2007	6	18	6	26	15	200000	-	200000	-
Storm	Tropical cyclone		Bangladesh	2007	5	15	5	15	41	0	225	225	-
Flood	General flood		India	2007	7	1	7	13	225	63000	-	63000	-
Flood	General flood		India	2007	7	1	7	6	62	10000	-	10000	-
Flood	General flood		India	2007	6	30	7	13	29	50000	-	50000	-
Flood	General flood		Pakistan	2007	6	28	7	22	130	2000	-	2000	-
Storm	Tropical cyclone	Yemyin	Pakistan	2007	6	26	7	6	242	1650000	-	1650000	1620000
Flood	General flood		Afghanistan	2007	6	24	7	3	113	4000	-	4000	-
Flood	General flood		Pakistan	2007	6	23	6	25	228	-	-	186	-
Flood	Flash flood		India	2007	6	22	7	4	127	200000	-	200000	-
Flood	Flash flood		Pakistan	2007	6	16	6	20	22	500	-	500	-
Flood	General flood		Pakistan	2007	7	20	7	20	80	-	-	-	-
Flood	General flood		Nepal	2007	7	23	10	2	214	640658	-	640706	2400
Flood	General flood		Bangladesh	2007	7	21	8	3	1110	13771380	-	13771380	100000
Flood	General flood		India	2007	7	21	8	3	-	-	-	-	-
Flood	Flash flood		Afghanistan	2007	7	15	7	17	9	-	2500	2500	-
Flood	General flood		India	2007	7	3	9	22	1103	18700000	-	18700000	-
Extreme temperature	Extreme winter conditions		Bangladesh	2007	1	0	1	-	130	100000	-	100000	0

Note : \* The disaster data is taken form Emergency Data (EM-DAT) only

Disaster type	Disaster Sub-Type	Name of Disaster	Country	Start Year	Start Month	Start Day	End Month	End Day	Person Killed	Person Affected	Person Homeless	Person Affected	Damage (USD '000)
Flood	Flash flood		Pakistan	2007	8	10	8	13	44	-	-	20	327118
Flood	General flood		India	2007	8	12	8	17	76	15000	-	15000	-
Flood	Storm surge/ coastal flood	Maldives	2007	5	15	5	17	-	1649	-	1649	-	-
Flood	General flood		Pakistan	2007	8	10	8	13	22	-	-	-	-
Flood	General flood		India	2007	8	8	8	15	16	-	-	-	-
Flood	Storm surge/coastal flood		India	2007	9	22	10	3	80	7200000	-	7200000	275000
Flood	General flood		India	2007	9	16	10	7	94	20000	-	20000	-
Epidemic	Bacterial Infectious Diseases	Cholera	Bangladesh	2007	7	29	10	9	54	236558	-	236558	-
Epidemic	Viral Infectious Diseases	ARI	Bangladesh	2007	7	30	10	9	32	48352	-	48352	-
Flood	General flood		India	2007	10	27	11	1	29	50000	-	50000	-
Storm	Tropical cyclone	Sidr	Bangladesh	2007	11	15	11	19	4234	8923259	-	8978541	2300000
Storm	Tropical cyclone	Sidr	India	2007	11	15	11	15	-	-	-	-	-
Flood	General flood		India	2007	8	3	8	27	15	500000	-	500000	-
Flood	General flood		India	2007	7	12	10	10	96	11100000	-	11100000	-
Flood	General flood		India	2007	7	16	7	20	44	35000	-	35000	101151
Flood	General flood		Sri Lanka	2007	12	16	1	1	0	250000	-	250000	-
Flood	Flash flood		Afghanistan	2007	4	30	4	30	1	125	15	160	-
Extreme temperature	Cold wave		India	2007	12	0	1	0	47	-	-	-	-
Flood	General flood		India	2007	2	11	2	16	40	-	-	8	-
Extreme temperature	Cold Wave		India	2007	3	11	3	14	66	-	-	25	-
Mass movement wet	Landslide		Pakistan	2007	1	5	1	5	20	2	-	2	-
Mass movement wet	Landslide		Pakistan	2007	3	21	3	21	80	-	-	-	-

Source: Emergency Data (EM-DAT) base of Centre for Epidemiology of Disasters, Leuven, Belgium

## Appendix – II Cyclone

Tropical Cyclone	Cyclone genesis Date	Cyclolysis Date	Saffir-Simpson Category	Maximum 6-hr Wind Gust (kt)	Estimated Accumulated Cyclone Energy (ACE*)	Landfall Information (date, location and sustained winds)	Affected countries	Killed in numbers	Affected in numbers	Estimated Damage in million USD
Akash	13/05/07	05/15/07	Cat 1	80	1.6600 x 10 <sup>4</sup>	5/15/07 Bangladesh-Myanmar border (65 kt)	Bangladesh	41	80,000	-
Gonu	02/06/07	06/07/07	Cat 5	170	17.5212 x 10 <sup>4</sup>	6/6/07 Oman border (80 kt)	-	-	4,000	-
Yemyin	21/06/07	06/26/07	TS	65	2.8975 x 10 <sup>4</sup>	Pakistan	Afghanistan	113	80,000	-
							India	156	16 00000	-
							Pakistan	592	9 000000	1620
Sidr	11/11/07	11/16/07	Cat 4	165	20.7650 x 10 <sup>4</sup>	11/15/07 Bangladesh (130 kt)	Bangladesh	4234	80,000	2300

Source: Emergency Data (EM-DAT) base of Centre for Epidemiology of Disasters, Leuven, Belgium National Oceanic and Atmospheric Administration (NOAA) USA

Note : \* The disaster data is taken form Emergency Data (EM-DAT) and National Oceanic and Atmospheric Administration (NOAA) only

## Appendix – III A General Flood

Starting Date	End Date	Country	Killed	Affected	River*	Affected Area*
24-Jun	3-Jul	Afghanistan	113	4000	Kabul River	Northern Afghanistan Provinces
5-May	7-May	Afghanistan	10	645	-	Samangaran, Baghlan districts
18-Mar	26-Mar	Afghanistan	104	20000	-	Badghis, Halmand, Uruzgan districts
18-Jun	26-Jun	India	15	200000	Brahmaputra and tributaries. Kushiara	Assam State - districts: Lakhimpur, Dhemaji, Cachar, Karimganj, Hailakandi, Darrang and Dibrugarh. North Lakhimpur, Cachar. Barak Valley. Goalpara and Dhubri
01-Jul	13-Jul	India	225	63000	Gujarat - Poorna, Narmada, Narmada, Mahi and Sabarmati Rivers. Mahisagar  Rajasthan - Luni, Gadhadhed  Madhya Pradesh - Kalisindh, Denva	Gujarat - Saurashtra region: Bhavnagar, Surendranagar, Rajkot, Jamnagar, Junagadh, Amreli. south Gujarat: Bharuch, Narmada and Surat. Junagarh. Patan, Mehsana, Gandhinagar, Sabarkantha. Kutch region. Ahmedabad, Vadodara, Panchmahal, Anand. Dascroi and Dholka. Valsad and Kheda Rajasthan - districts: Jodhpur, Pali, Barmer, Jalore, Jhalawar. Bilara, Luni and Jodhpur. Pichyak.  Madhya Pradesh - Hoshangabad, Harda, Rajgarh, Khandwa, Betul, Indore and Jhabua
01-Jul	06-Jul	India	62	10000	Chandrabhaga, Pedhi, Purna, Bhuleshwar rivers	Maharashtra - Amrawati District. Mumbai area. Konkan region. Pune, Chhatisgar
21-Jul	03-Aug	India	-	-	Bahulia, Sangu, Muhuri, Surma, Someswari, Gumti, Debiddar, Jamura, Ghagot, Gomti, Dharla and the Teesta. Kushiara and Meghna. Gomoti, Kaliganga, Dhaleswari, Kangsa, Turag, Surma, Lakhya, Manu, Meghna.	India - Tripura - Udaipur, Amarpur and Sonamura. Agartala.
03-Jul	22-Jul	India	1103	18700000	Bagmati, Gandak	Bihar, Utter Pradesh

Starting Date	End Date	Country	Killed	Affected	River*	Affected Area*
12-Aug	17-Aug	India	76	15000	Tawi, Sutlej, Basantar	Himachal Pradesh - Mandi, Bilaspur, Kinnaur and Hamirpur, Solan. Shimla district. Rampur. Punjab - Haryana - Jammu and Kashmir - Jammu city, Udhampur, Nikki Tawi, lower Satwari. Ramgarh. Akhnoor
						Uttaranchal (Uttarakhand) - Chamoli, Haridwar
30-Jun	13-Jun	India	29	50000	Mahanadi and tributaries. Devi. Kharasrota, Baitarani, Brahmani, Budhabalanga, Subarnarekha and Jalaka	Orissa - Balasore, Bhadrak, Jajpur, Keonjhar, and Mayurbhanj districts. Jagatsinghpur, Naugaon, Balikuda. Chhattisgarh - Raipur, Bilaspur, Mahasamund and Durg districts. Raipur and Bastar divisions.
08-Aug	15-Aug	India	16	-	Bagmati	Bihar
16-Sep	07-Oct	India	94	20000	Tungabhadra, Pennar, Hundri and Kundu. Krishan, Pennar. Chitravathi	Andhra Pradesh - districts: Kurnool, Kadapa, Warangal, Nalgonda, Karimnagar, Mahabubnagar, Anantapur, Nellore, Krishna. Visakhapatnam, Srikakulam, Vizianagaram, East and West Godavari districts. Guntur, Prakasam and Krishna Karnataka - Gadag
27-Oct	01-Nov	India	29	50000	-	-
03-Aug	27-Aug	India	15	500000	Bansadhara, Subarnarekha and Jalaka, Kharasrota and Brahmani. Genguti and Birupa	Orissa - Cuttack, Puri, Khordha, Jajpur and Jagatsinghpur districts. Rayagada. Balasore - Bhograi, Baliapal, Basta, Jaleswar and Sadar areas. Mayurbhanj, Rourkela, Rajgangpur, Sambalpur
12-Jul	10-Aug	India	96	11100000	-	-
16-Jul	20-Jul	India	44	35000	-	Kerala - Kannur, Kasargod, Kozhikode and Mallapuram. districts: Kozhikode, Kannur, Malappuram, Wayanad, Pathanamthitta, Alappuzha, Trissur, Idukki, Ernakulam
28-Jun	22-Jul	Pakistan	130	2000	Shah Alam, Naguman and Swat. Jamrud. Kabul	North West Frontier Province - Khyber Agency tribal region - Landi Kotal, Jamrud, Peshawar area. Tukhtabad, Chrasadda. Kohistan. Dir Valley(Dirbala): Nashnamal Jabi, Banaya Kahu, Gar Kohi and Jaba.

Starting Date	End Date	Country	Killed	Affected	River*	Affected Area*
23-Jun	25-Jun	Pakistan	228	-	-	Balochistan and Sindh provinces, Karachi, Gadab Town
12-Aug	14-Aug	Pakistan	22	-	-	North West Frontier Province - Kohistan district - Rah Nolia, Rano Mera
28-Jun	22-Jul	Sri Lanka	-	-	-	Central and southern regions. Walapane area - Nuwara Eliya, Hanguranketha, Padiyapellella. Hambantota
16-Dec	01-Jan	Sri Lanka	-	-	-	Ampara, Batticaloa, Trincomalee
11-Jun	24-Jun	Bangladesh	120	80060	Brahmaputra, Jamuna, Teesta and Dharala. Gumti. Borak, Surma, Kushiara.	Bangladesh - Chittagong area. Sylhet. Districts: Comilla, Netrokona, Sunamgonj, Habigonj, Bogra, Kurigram, Chandpur Feni. Zakiganj, Maulvibazar. Comilla region.
21-Jul	03-Aug	Bangladesh	1110	13771380	Brahmaputra-Jamuna and Ganges-Padma tributaries:	Bangladesh - districts: Bandarban Hill, Feni, Comilla. Sirajganj, Aricha, Goalundo and Bhagyakul. Rangpur region. Dhaka area. Khagrachari. Manikganj, Munshiganj, Gaibandha, Faridpur, Rajbari, Madaripur, Shariatpur and Dohar. Manikganj, Sylhet. Netrakona, Sunamganj, Sherpur, Bogra, Bhola, Kurigram, Narail, Jamalpur, Magura, Goalanda, Tangail. Rajshahi. Panchagarh. Mizoram.
23-Jul	02-Oct	Nepal	214	640658	Ratu River	Mahottara district
10 Jul	NA	Nepal	94	55376	-	affected Far Western District Kailali, Mid Western Districts; Banke and Bardiya, Western District; Nawalparasi, Eastern District; Udayapur and Central Terai Districts; Rautahat, Bara, Parsa, Siraha, Saptari, Mohattari, Dhanusa, Rautahat

Source: Emergency Data (EM-DAT) base of Centre for Epidemiology of Disasters, Leuven, Belgium and Dartmouth Laboratory, United States

Note : \* The disaster data is taken from Emergency Data (EM-DAT) and Dartmouth Laboratory, United States

## Appendix - III B Flash Flood

Starting Date	End Date	Country	Killed	Affected	River*	Affected Area*
23-Apr	04-May	Afghanistan	36	NA	-	Badakhshan province - Kashem, Yamgan, Jarm and Argo districts. Shahr-i-Buzurk Province- Kura Bala, Murcha Dara and Alqajar villages. Kiran and Munjan districts. Baharak and Jurm districts.
30-Apr	30-Apr	Afghanistan	1	160	-	Wado valley and Tala-u-be
02-May	07-May	Sri Lanka	15	121000	-	Southern and Western provinces - coastal belt. Galle area, Colombo area. Kaluthara and Gampha.
14-May	18-May	Afghanistan	23	2950	-	Badakhshan province - Baharak, Yaftal-i-Payan, Baharak Shuhada, Jorum and Warduj districts. Takhar province - Surang and Sarisht villages
16-Jun	20-Jun	Pakistan	22	500	Swat	North-West Frontier Province - Swat Valley - villages: Bedara (Baidra), Barinjal
22 Jun	04-Jul	India	127	200000	Krishna and Godavari and their tributaries.  Kundu, Tungabhadra. Gaj Naen. Cauvery	Andhra Pradesh - districts: Kurnool, Mahabubnagar, Guntur, Prakasam, East Godavari, West Godavari, Anantapur and Kadpa. Telangana. Towns: Macherla, Nandyal, Ongole. Kachho area of Dadu district. Kerala – Thrissur Karnataka - Belgaum, Bijapur, Bagalkot, Kodagu. Hemavathi, Lakshmanathirtha and Kabini
15-Jul	17-Jul	Afghanistan	9	2500	-	Ghor Province - Lalo Sar Jangal district
10-Aug	13-Aug	Pakistan	44	-	-	Sindh Province - Karachi city. Districts: Thatta, Badin, Dadu, Shahdadkot, Kambar, Jacobabad, Hyderabad, Nawabshah, Tharparkar and Mirpurkhas. Qubo Sayeed Khan.

**Source:** Emergency Data (EM-DAT) base of Centre for Epidemiology of Disasters, Leuven, Belgium and Dartmouth Laboratory, United States

Note : \* The disaster data is taken form Emergency Data (EM-DAT) only

**Appendix – IV A**  
**South Asia Earthquake**  
**As Recorded by India Meteorological Department**

DATE	TIME (UTC)	LAT (Deg. N)	LONG (deg. E)	Depth (km)	Magnitude	Region
3 <sup>rd</sup> Jan. 07	12:47:40.0 HRS(UTC)	5.6 N	93.3 E	35.5	5.3	OFF COAST OF NICOBAR ISLANDS
7 <sup>th</sup> Jan. 07	15:08:21.6 HRS(UTC)	23.7 N	70.2 E	15.0	3.4	KACHCHH GUJARAT
8 <sup>th</sup> Jan. 07	12:48:51.0 HRS(UTC)	07.9 N	92.8 E	33.0	5.7	OFF WEST COAST OF NICOBAR ISLANDS
12 <sup>th</sup> Jan. 07	04:41:25.1 HRS(UTC)	08.9 N	91.9 E	33.0	5.0	WEST COAST OF NICOBAR ISLANDS
15 <sup>th</sup> Jan. 07	6:13:32.8 HRS(UTC)	12.9°N	93.0°E	10.0	5.0	NORTH OF MIDDLE ANDAMAN
24 <sup>th</sup> Jan. 07	10:29:23.8 HRS(UTC)	26.0°N	90.2°E	04.8	3.9	EAST GARO HILLS, ASSAM
24 <sup>th</sup> Jan. 07	11:3:29.9 HRS(UTC)	24.8°N	94.2°E	18.6	3.9	MANIPUR
28 <sup>th</sup> Jan. 07	16:53:3.7 HRS(UTC)	13.3°N	92.9°E	15.0	4.8	NORTH ANDAMAN, ANDAMAN & NICOBAR
29 <sup>th</sup> Jan. 07	19:48:40.3 HRS(UTC)	08.6°N	93.3°E	33.0	5.2	NORTH OF CAMORTA, NICOBAR ISLANDS
3 <sup>rd</sup> Feb. 07	20:32:3.9 HRS(UTC)	11.0°N	90.4°E	15.0	5.2	OFF WEST COAST OF LITTLE ANDAMAN
5 <sup>th</sup> Feb. 07	7:57:34.7 HRS(UTC)	29.9°N	80.5°E	14.1	3.5	INDIA (UTTARANCHAL) - NEPAL BORDER REGION.
5 <sup>th</sup> Feb. 07	9:24:41.4 HRS(UTC)	11.9°N	92.1°E	15.0	4.8	OFF WEST COAST ANDAMAN ISLANDS
15 <sup>th</sup> Feb. 07	19:9:41.1 HRS(UTC)	29.6°N	81.5°E	33.0	5.4	NEPAL
21 <sup>st</sup> Feb. 07	0:33:24.9 HRS(UTC)	31.4°N	77.6°E	33.0	3.6	HIMACHAL PRADESH
24 <sup>th</sup> Feb. 07	9:6:14.3 HRS(UTC)	33.5°N	75.8°E	08.8	3.3	DISTRICT DODA, JAMMU & KASHMIR
27 <sup>th</sup> Feb. 07	17:29:9.9 HRS(UTC)	23.4°N	70.4°E	10.0	3.5	KACHCHH, GUJARAT
1 <sup>st</sup> March 07	5:8:24.7 HRS(UTC)	10.2°N	92.6°E	70.3	5.3	SOUTH COAST OF LITTLE ANDAMAN ISLANDS.
13 <sup>th</sup> March 07	21:39:17 HRS(UTC)	28.5°N	77.1°E	10.1	2.3	DELHI
16 <sup>th</sup> March 07	4:46:25.3 HRS(UTC)	27.6°N	76.9°E	10.0	3.3	ALWAR, RAJASTHAN
21 <sup>st</sup> March 07	16:34:35.8 HRS(UTC)	23.9°N	84.8°E	39.0	3.3	LATEHAR, JHARKHAND
22 <sup>nd</sup> March 07	6:10:57 HRS(UTC)	02.4°S	86.3°E	33.0	5.7	SOUTH INDIAN OCEAN
27 <sup>th</sup> March 07	11:19:27.0 HRS(UTC)	31.1°N	78.2°E	29.0	3.2	UTTARKASHI, UTTARANCHAL

DATE	TIME (UTC)	LAT (Deg. N)	LONG (deg. E)	Depth (km)	Magnitude	Region
29 <sup>th</sup> March 07	23:49:55.0 HRS(UTC)	11.4°N	91.7°E	10.0	4.4	OFF WEST COAST OF SOUTH ANDAMAN
31 <sup>st</sup> March 07	15:27:0.1 HRS(UTC)	19.0°N	77.4°E	10.0	2.8	NANDED, MAHARASHTRA
3 <sup>rd</sup> April 07	3:34:59 HRS(UTC)	36.9°N	70.6°E	200.0	5.9	HINDUKUSH AFGHANISTAN
3 <sup>rd</sup> April 07	15:35:10.3 HRS(UTC)	29.0°N	76.6°E	08.8	2.8	DISTRICT ROHTAK, HARYANA
8 <sup>th</sup> April 07	16:20:16.2 HRS(UTC)	23.3°N	70.4°E	10.0	3.8	KACHCHH, GUJARAT
10 <sup>th</sup> April 07	13:56:58.8 HRS(UTC)	13.2°N	92.1°E	15.0	5.6	ANDAMAN ISLANDS
13 <sup>th</sup> April 07	11:49:42.2 HRS(UTC)	22.7°N	83.2°E	10.0	3.1	RAIGARH, CHHATTISGARH
13 <sup>th</sup> May 07	13:41:40.3 HRS(UTC)	23.2°N	70.4°E	33.0	4.0	KACHCHH, GUJARAT
14 <sup>th</sup> May 07	7:22:47.4 HRS(UTC)	29.0°N	76.6°E	05.0	3.2	ROHTAK, HARYANA
18 <sup>th</sup> May 07	12:39:58.1 HRS(UTC)	27.7°N	88.6°E	33.0	4.5	NORTH, SIKKIM
20 <sup>th</sup> May 07	14:18:16.5 HRS(UTC)	27.5°N	88.3°E	15.0	5.0	SOUTH, SIKKIM
23 <sup>rd</sup> May 07	17:40:44.8 HRS(UTC)	27.6°N	88.0°E	10.0	3.5	SIKKIM
24 <sup>th</sup> May 07	12:54:24.2 HRS(UTC)	23.0°N	69.8°E	10.0	3.7	KACHCHH, GUJARAT
26 <sup>th</sup> May 07	10:28:10.5 HRS(UTC)	27.2°N	88.3°E	10.0	3.3	WEST, SIKKIM
31 <sup>st</sup> May 07	23:18:9.7 HRS(UTC)	08.2°N	93.2°E	42.7	5.4	NICOBAR ISLANDS
4 <sup>th</sup> June 07	1:22:12 HRS(UTC)	09.4°N	93.7°E	55.3	5.2	NICOBAR ISLANDS
21 <sup>st</sup> June 07	8:57:44.4 HRS(UTC)	10.3°N	92.4°E	15.8	4.6	ANDAMAN ISLANDS
25 <sup>th</sup> June 07	18:09:47.0 HRS(UTC)	26.3°N	94.6°E	20.0	4.8	INDIA( NAGALAND)—MYANMAR BORDER REGION
13 <sup>th</sup> July 07	6:18:57.7 HRS(UTC)	23.7°N	70.6°E	05.5	3.9	KACHCHH, GUJARAT
18 <sup>th</sup> July 07	14:27:28.9 HRS(UTC)	06.6°N	84.5°E	33.0	5.4	SOUTH WEST BAY OF BENGAL
22 <sup>nd</sup> July 07	23:02:12.0 HRS(UTC)	31.2°N	78.2°E	33.0	5.0	UTTARKASHI, UTTARANCHAL
25 <sup>th</sup> July 07	23:37:37.1 HRS(UTC)	07.4°N	92.3°E	16.3	5.9	NICOBAR ISLANDS
28 <sup>th</sup> July 07	0:48:23.3 HRS(UTC)	22.8°N	92.6°E	15.0	4.8	INDIA(MIZORAM)—BANGLADESH BORDER REGION
1 <sup>st</sup> Aug. 07	4:53:40.4 HRS(UTC)	33.9°N	74.6°E	39.1	3.1	JAMMU & KASHMIR
3 <sup>rd</sup> Aug. 07	3:50:47.6 HRS(UTC)	27.1°N	86.9°E	10.0	4.0	EASTERN NEPAL

DATE	TIME (UTC)	LAT (Deg. N)	LONG (deg. E)	Depth (km)	Magnitude	Region
5 <sup>th</sup> Aug. 07	1:58:8.9 HRS(UTC)	23.5°N	70.5°E	10.0	3.6	RANN OF KACHCH, GUJARAT
7 <sup>th</sup> Aug. 07	10:11:41.2 HRS(UTC)	31.0°N	78.3°E	10.0	3.5	UTTARKASHI, UTTARAKHAND
11 <sup>th</sup> Aug. 07	14:35:52 HRS(UTC)	27.5°N	88.0°E	33.0	4.9	NEPAL
20 <sup>th</sup> Aug. 07	19:15:53.5 HRS(UTC)	17.2°N	73.7°E	05.0	3.8	KOYANA, MAHARASHTRA
20 <sup>th</sup> Aug. 07	19:31:45.6 HRS(UTC)	17.1°N	73.9°E	18.2	3.0	KOYANA REGION, MAHARASHTRA
25 <sup>th</sup> Aug. 07	17:3:10 HRS(UTC)	14.6°N	93.8°E	66.0	5.4	ANDAMAN ISLANDS, INDIA REGION
6 <sup>th</sup> Sept. 07	7:9:44.9 HRS(UTC)	18.1°N	76.7°E	05.0	4.1	LATUR, MAHARASHTRA
9 <sup>th</sup> Sept. 07	2:0:40.3 HRS(UTC)	30.9°N	70.0°E	33.0	5.3	PAKISTAN
15 <sup>th</sup> Sept. 07	8:57:45.1 HRS(UTC)	27.5°N	75.4°E	27.9	2.8	SIKAR, RAJASTHAN
18 <sup>th</sup> Sept. 07	19:48:58 HRS(UTC)	25.6°N	91.4°E	115.2	4.0	MEGHALAYA
19 <sup>th</sup> Sept. 07	12:43:58.0 HRS(UTC)	10.2°N	93.7°E	54.0	5.0	ANDAMAN SEA
24 <sup>th</sup> Sept. 07	18:3:59.9 HRS(UTC)	23.6°N	70.0°E	15.0	3.2	KACHCHH, GUJARAT
4 <sup>th</sup> Oct. 07	5:14:15.2 HRS(UTC)	32.5°N	76.0°E	10.0	3.8	CHAMBA, HIMACHAL PRADESH
8 <sup>th</sup> Oct. 07	01:12:34.7 HRS(UTC)	23.3°N	70.2°E	10.0	4.8	KACHCHH, GUJARAT
10 <sup>th</sup> Oct. 07	12:25:36.6 HRS(UTC)	10.3°N	91.7°E	10.0	5.1	SOUTH EAST BAY OF BENGAL
15 <sup>th</sup> Oct. 07	15:37:15.5 HRS(UTC)	23.8°N	69.8°E	07.9	2.9	KACHCHH, GUJARAT
18 <sup>th</sup> Oct. 07	5:54:41.6 HRS(UTC)	28.3°N	77.6°E	05.6	3.6	GAUTAMBUDH NAGAR,UTTAR PRADESH
19 <sup>th</sup> Oct. 07	7:19:49 HRS(UTC)	28.8°N	65.7°E	33.0	5.6	PAKISTAN
26 <sup>th</sup> Oct. 07	6:49:59.1 HRS(UTC)	35.8°N	76.9°E	08.5	5.1	INDIA(J & K)-CHINA BORDER
29 <sup>th</sup> Oct. 07	9:49:18.7 HRS(UTC)	27.9°N	85.4°E	00.3	4.0	NEPAL
3 <sup>rd</sup> Nov. 07	08:36:44.0 HRS(UTC)	30.7°N	78.4°E	33.0	2.7	UTTARKASHI, UTTARAKHAND
6 <sup>th</sup> Nov. 07	0:28:33.3 HRS(UTC)	21.2°N	70.5°E	33.1	4.8	JUNAGADH, GUJARAT
6 <sup>th</sup> Nov. 07	9:38:4.5 HRS(UTC)	21.1°N	70.4°E	05.0	4.9	JUNAGADH, GUJARAT
7 <sup>th</sup> Nov. 07	7:10:17 HRS(UTC)	22.1°N	92.5°E	15.0	5.3	BANGLADESH-INDIA (MIZORAM) BODER REGION
8 <sup>th</sup> Nov. 07	4:42:13.9 HRS(UTC)	29.6°N	78.6°E	10.0	3.5	UTTAR PRADESH - UTTARANCHAL BORDER

DATE	TIME (UTC)	LAT (Deg. N)	LONG (deg. E)	Depth (km)	Magnitude	Region
12 <sup>th</sup> Nov. 07	4:57:2.8 HRS(UTC)	35.7°N	73.2°E	66.0	5.2	NORTHWESTERN KASHMIR
12 <sup>th</sup> Nov. 07	14:48:17.8 HRS(UTC)	19.3°N	77.4°E	24.4	2.9	NANDED, MAHARASHTRA
15 <sup>th</sup> Nov. 07	15:26:6.1 HRS(UTC)	23.5°N	70.1°E	33.0	3.0	KACHCHH, GUJARAT
20 <sup>th</sup> Nov. 07	17:11:5.6 HRS(UTC)	28.0°N	76.6°E	01.2	3.3	RAJASTHAN—HARYANA BORDER
24 <sup>th</sup> Nov. 07	10:57:47.8 HRS(UTC)	17.0°N	74.0°E	10.0	4.3	KOYNA REGION, MAHARASHTRA
24 <sup>th</sup> Nov. 07	11:35:46.4 HRS(UTC)	17.1°N	73.8°E	21.6	3.8	KOYNA REGION, MAHARASHTRA
24 <sup>th</sup> Nov. 07	12:35:28.6 HRS(UTC)	17.1°N	73.8°E	15.0	3.8	KOYNA REGION, MAHARASHTRA
24 <sup>th</sup> Nov. 07	15:43:11.4 HRS(UTC)	17.2°N	73.7°E	11.9	2.8	KOYNA REGION, MAHARASHTRA
25 <sup>th</sup> Nov. 07	13:53:44.7 HRS(UTC)	29.4°N	69.4°E	15.0	5.2	PAKISTAN
25 <sup>th</sup> Nov. 07	23:12:20.7 HRS(UTC)	28.6°N	77.0°E	20.3	4.3	DELHI - HARYANA BORDER, REGION
29 <sup>th</sup> Nov. 07	19:0:23.3 HRS(UTC)	23.5°N	94.4°E	107.4	4.7	MYANMAR-INDIA BORDER REGION
2 <sup>nd</sup> Dec. 07	11:56:58.9 HRS(UTC)	37.0°N	71.2°E	188.7	4.8	HINDUKUSH REGION, AFGHANISTAN
7 <sup>th</sup> Dec. 07	06:56:28.0 HRS(UTC)	23.5°N	94.7°E	33.0	5.0	MYANMAR
11 <sup>th</sup> Dec. 07	15:56:37.0 HRS(UTC)	35.4°N	77.2°E	35.0	5.3	INDIA(KASHMIR)- CHINA BORDER REGION
14 <sup>th</sup> Dec. 07	12:27:7.1 HRS(UTC)	19.3°N	77.7°E	05.0	2.7	NANDED,MAHARASHTRA
14 <sup>th</sup> Dec. 07	12:46:21.7 HRS(UTC)	17.1°N	73.7°E	05.0	2.9	KOYNA REGION,MAHARASHTRA

Source: India Meteorological Department, India

**Appendix – IV B**  
**South Asia Earthquakes**  
**As Recorded by Pakistan Meteorological Department**

S. No.	Date	Distance From Peshawar in KMs	Epicentre	Magnitude	Remarks
1	31 <sup>st</sup> Dec. 2007	800	Eastern Uzbekistan	5	Nil
2	31 <sup>st</sup> Dec. 2007	300	Hindu kush region Afgahistan	4.5	Nil
3	26 <sup>th</sup> Dec., 2007	730	Kyrgyzstan	5.2	Nil
4	18 <sup>th</sup> Dec. 2007	450	Punjab - Baluchistan Border Region	5.1	Nil.
5	12 <sup>th</sup> Dec. 2007	200	Hazara Division	4.3	Felt at Mansehra, Balakot, etc
6	11 <sup>th</sup> Dec. 2007	630	Kashmir	5.1	NIL
7	5 <sup>th</sup> Dec. 2007	450	Punjab Baluchistan Border	4.7	Nil.
8	2 <sup>nd</sup> Dec. 2007	350	Hindu Kush Range(Afghanistan)	5	Felt at Peshawar, Islamabad, Chitral, Abbotabad, Kohat etc etc
9	26 <sup>th</sup> Nov. 2007	6200	Japan	6	Nil
10	25 <sup>th</sup> Nov. 2007	500	Punjab - Baluchistan Border Region	5.1	Felt at Rajanpur.
11	7 <sup>th</sup> Nov. 2007	2420	India-Bangladesh Border Region	5.2	Nil.
12	6 <sup>th</sup> Nov. 2007	1450	Gujrat, India	5	Nil
13	26 <sup>th</sup> Oct. 2007	600	Kashmir	5.2	Nil.
14	20 <sup>th</sup> Oct. 2007	790	South West	4.2	Felt at Sorab.
15	19 <sup>th</sup> Oct. 2007	790	Baluchistan	5.1	Felt at Khuzdar & Sorab.
16	16 <sup>th</sup> Oct. 2007	200	Hazara Division	4	Felt at Mansehra & Balakot.
16	13 <sup>th</sup> Oct. 2007	990	Baluchistan	4.5	Felt at Hub.
18	24 <sup>th</sup> Sept. 2007	200	Hazara Division	4	Felt at Mansehra, Balakot
19	11 <sup>th</sup> Sept. 2007	680	Baluchistan	4.2	Felt at Noshki.
20	9 <sup>th</sup> Sept. 2007	420	Baluchistan(Near Barkhan)	5.3	No Immediate Felt Report

S. No.	Date	Distance From Peshawar in KMs	Epicentre	Magnitude	Remarks
21	6 <sup>th</sup> Sept. 2007	200	Hazara Division & Batagram.	4.3	Felt at Mansehra, Balakot, Abottabad
22	3 <sup>rd</sup> Sept. 2007	1350	Kazakhstan	5.4	Nil.
23	2 <sup>nd</sup> Sept. 2007	1350	Kazakhstan	5.4	Nil.
24	26 <sup>th</sup> Aug. 2007	275	Hindu Kush Range, Afghanistan	4.7	Felt at Chitral, Swat & Dir.
25	12 <sup>th</sup> Aug. 2007	200	Hazara Division	4.7	Felt at Peshawar, Mansehra, Balakot, Batagram, Muzaffarabad, etc.
26	8 <sup>th</sup> Aug. 2007	770	Baluchistan	4.5	Felt at Sorab.
28	8 <sup>th</sup> Aug. 2007	350	Tajikistan	5.1	Felt at Abbotabad, Mansehra, Swat, Batagram, Balakot & Chitral.
29	31 <sup>st</sup> July 2007	200	Hazara Division	4	Felt at Mansehra.
30	26 <sup>th</sup> July 2007	3500	Nicobar Islands, India Region	6.1	Nil.
31	25 <sup>th</sup> July 2007	300	Hindu Kush Range Afghanistan	4.5	Felt at Peshawar & Chitral.
32	23 <sup>rd</sup> July 2007	700	Uttaranchal, India	5	Nil.
33	22 <sup>nd</sup> July 2007	600	Tajikistan	5.5	Nil
34	21 <sup>st</sup> July 2007	200	Hazara Division	4.4	Felt at Mansehra, Balakot, Allie etc.
35	15 <sup>th</sup> July 2007	300	Hindu Kush Range(Afghanistan)	4.8	Felt at Peshawar, Swat & Mansehra.
36	24 <sup>th</sup> June 2007	300	Northern Area	3.8	Felt at Chilas.
37	9 <sup>th</sup> June 2007	500	Baluchistan (near Quetta)	3.5	Felt at Quetta.
38	8 <sup>th</sup> June, 2007	200	Hazara Division	4.6	Felt at Mansehra, Balakot, Batagram and Muzaffarabad etc.
39	1 <sup>st</sup> June, 2007	255	Hindukush Ranges Afghanistan	4.9	Felt at Peshawar.
40	20 May, 2007	1700	Sikkim, India	5.1	Nil.
41	20 <sup>th</sup> May 2007	90	East	4.5	Felt at Peshawar, Islamabad, Swat, Mardan, Nowshehra etc.
42	29 <sup>th</sup> April 2007	1350	Coastal Area Of Baluchistan	4.6	Felt at Gwadar.

S. No.	Date	Distance From Peshawar in KMs	Epicentre	Magnitude	Remarks
43	15 <sup>th</sup> April 2007	650	Kyrgyzstan	5.2	Nil.
44	8 <sup>th</sup> April 2007	200	Hazara Division	4	Felt at Mansehra & Abbottabad.
45	7 <sup>th</sup> April 2007	8100	Azores Islands Region	6.2	Nil.
46	3 April, 2007	300	Hindu Kush Range (Afghanistan)	6	Felt at Peshawar, Islamabad, Lahore, Dir, Chitral & Balakot etc.
47	20 <sup>th</sup> March 2007	275	Hindu Kush Range (Afghanistan)	4.8	Felt at Malakand.
48	4 <sup>th</sup> March 2007	200	Hazara Division	4	Felt at Mansehra, Balakot and Allai.
49	11 <sup>th</sup> Feb. 2007	250	Hindu Kush Range (Afghanistan)	5	Felt at Peshawar, Chitral, Islamabad etc.
50	11 <sup>th</sup> Feb. 2007	350	Northern Area	4.8	The Earthquake was felt at Gilgit.
51	10 <sup>th</sup> Feb. 2007	200	Hazara Division	4.1	felt at Mansehra, Balakot and allai etc
52	10 Feb. 2007	200	Hazara Division	4	Felt at Mansehra, Balakot, Batagram, Allai etc.
53	7 <sup>th</sup> Feb. 2007	300	Hindu Kush Region (Afghanistan)	4.2	Felt at Chitral.
54	21 <sup>st</sup> Jan. 2007	275	Azad Kashmir	4	Felt at Mirpur and Jhelum.

Source: Pakistan Meteorological Department, Pakistan

## Appendix – IV C

### South Asia Earthquake

#### As Recorded by National Seismological Centre, Nepal

SI. No.	YY/MM/DD	Latitude	Longitude	Epicenter	Magnitude	Remarks
1	07/02/05	30.10	81.05	Api Himal/Darchula	4.2	NSC
2	07/02/06	28.35	83.43	Darwan/Myagdi	4.1	NSC
3	07/02/06	28.36	83.43	Darwan/Myagdi	4.2	NSC
4	07/02/15	29.83	81.45	South of Saipal/Bajhang	5.0	NSC
5	07/03/10	29.47	81.73	Kalukheti/Bajhang	4.5	NSC
6	07/05/16	27.50	88.08	Nepal/India Border	4.6	NSC
7	07/06/04	27.44	83.98	Nepal/India Border	4.2	NSC
8	07/06/17	27.83	84.91	Dhading	4.3	NSC
9	07/07/07	28.08	85.30	Sarsin/Rasua	4.0	NSC
10	07/07/30	27.27	87.02	Dana/Bhojpur	4.1	NSC
11	07/08/01	29.49	81.91	Mugu	4.6	NSC
12	07/08/03	27.24	87.03	Bhojpur	4.5	NSC
13	07/08/03	27.20	87.04	Bhojpur	4.3	NSC
14	07/08/03	27.24	87.02	Bhojpur	4.0	NSC
15	07/08/03	27.21	87.97	Pranbun/Panchthar	4.4	NSC
16	07/08/06	27.84	85.69	Syaule/Sindhupalchok	4.1	NSC
17	07/08/11	27.28	87.90	Taplejung	5.2	NSC
18	07/09/07	28.05	85.33	Sarsing/Rasuwa	4.2	NSC
19	07/09/07	27.72	86.26	Jugu/Dolakha	4.1	NSC
20	07/10/12	27.75	86.12	Dolakha	4.0	NSC
21	07/10/29	27.90	85.45	Saramthali/Nuwakot	5.0	NSC
22	07/11/05	28.20	84.45	Duradanda/Lamjung	4.5	NSC
23	07/12/01	28.05	85.28	Sarsin/Rasuwa	4.1	NSC

Source: [http:// www.seismonepal.gov.np/ Released\\_Eqk\\_07\\_fin.htm](http://www.seismonepal.gov.np/Released_Eqk_07_fin.htm)

**Appendix – IV D**  
**South Asia Earthquake**  
**As Recorded by United States Geological Survey**

Date	LATITUDE	LONGITUDE	DEP.	MAGNITUDE
3 <sup>RD</sup> Jan. 07	5.45	94.35	30	5.4
29 <sup>th</sup> Jan. 07	5.39	94.40	30	4.6
31 <sup>st</sup> Jan. 07	0.58	98.22	30	4.3
7 <sup>th</sup> Feb. 07	5.76	94.99	30	4.4
10 <sup>th</sup> Feb. 07	1.18	97.21	30	4.7
10 <sup>th</sup> Feb. 07	2.48	95.75	30	4.2
11 <sup>th</sup> Feb. 07	6.18	94.40	67	5.4
14 <sup>th</sup> Feb. 07	5.21	94.26	30	5.2
18 <sup>th</sup> Feb. 07	1.23	97.05	30	4.8
1 <sup>st</sup> March 07	3.78	96.34	74	5.2
7 <sup>th</sup> March 07	1.96	97.91	35	5.9
7 <sup>th</sup> April 07	2.92	95.70	30	6.1
27 <sup>th</sup> April 07	5.36	94.64	38	5.9
28 <sup>th</sup> April 07	1.76	99.27	23	4.9
1 <sup>st</sup> May 07	5.51	94.62	52	5.0
4 <sup>th</sup> May 07	3.94	95.92	30	4.3
6 <sup>th</sup> May 07	0.83	97.38	27	4.2
9 <sup>th</sup> May 07	6.36	95.04	30	4.0
10 <sup>th</sup> May 07	1.35	98.95	91	4.5
14 <sup>th</sup> May 07	1.25	97.25	30	5.5
18 <sup>th</sup> May 07	1.32	97.19	36	4.9
18 <sup>th</sup> May 07	4.11	96.03	30	5.2
18 <sup>th</sup> May 07	4.62	94.88	30	4.7
20 <sup>th</sup> May 07	27.33	88.24	42	4.9

Date	LATITUDE	LONGITUDE	DEP.	MAGNITUDE
21 <sup>th</sup> May 07	5.22	94.29	30	4.8
22 <sup>th</sup> May 07	1.53	99.05	30	4.2
30 <sup>th</sup> May 07	5.36	94.51	79	4.5
5 <sup>th</sup> June 07	5.10	94.58	30	4.7
20 <sup>th</sup> June 07	5.26	94.76	30	4.1
23 <sup>rd</sup> June 07	21.47	99.78	22	5.6
23 <sup>rd</sup> June 07	1.19	97.33	5.1	5.0
24 <sup>th</sup> June 07	5.42	94.58	30	5.0
25 <sup>th</sup> June 07	25.95	94.29	15	4.8
8 <sup>th</sup> July 07	0.11	97.05	30	4.4
13 <sup>th</sup> July 07	5.07	93.98	30	4.6
18 <sup>th</sup> July 07	6.47	84.39	10	5.2
21 <sup>st</sup> July 07	5.00	97.46	30	5.2
24 <sup>th</sup> July 07	0.08	98.71	30	4.2
24 <sup>th</sup> July 07	2.27	98.00	62	5.3
30 <sup>th</sup> July 07	1.91	97.84	30	4.9
31 <sup>st</sup> July 07	4.09	96.49	32	4.8
18 <sup>th</sup> Aug 07	2.08	96.69	30	5.0
19 <sup>th</sup> Aug 07	0.89	97.54	30	5.0
19 <sup>th</sup> Aug 07	0.81	97.53	30	4.4
19 <sup>th</sup> Aug 07	0.87	97.53	30	5.0
13 <sup>th</sup> Sept 07	25.46	56.20	14	4.7
29 <sup>th</sup> Sept 07	2.91	95.53	20	5.7
29 <sup>th</sup> Sept 07	2.90	94.52	35	6.0
29 <sup>th</sup> Sept 07	4.60	94.53	98	4.7
1 <sup>st</sup> Oct 07	4.09	96.58	35	5.0
4 <sup>th</sup> Oct 07	2.54	92.90	35	6.2

<b>Date</b>	<b>LATITUDE</b>	<b>LONGITUDE</b>	<b>DEP.</b>	<b>MAGNITUDE</b>
8 <sup>th</sup> Oct 07	23.10	69.20	10	4.5
13 <sup>th</sup> Oct 07	2.25	92.81	10	4.2
14 <sup>th</sup> Oct 07	0.76	98.75	75	5.0
15 <sup>th</sup> Oct 07	1.39	97.38	35	4.8
28 <sup>th</sup> Oct 07	1.88	97.97	95	4.7
29 <sup>th</sup> Oct 07	27.94	85.38	16	4.7
22 <sup>nd</sup> Nov 07	4.74	95.06	49	5.8
25 <sup>th</sup> Nov 07	28.56	77.06	10	4.7
26 <sup>th</sup> Nov 07	1.09	97.10	35	5.0
1 <sup>st</sup> Dec 07	1.98	97.88	44	5.9
7 <sup>th</sup> Dec 07	5.46	94.97	72	5.0
14 <sup>th</sup> Dec 07	1.13	97.35	35	4.5
28 <sup>th</sup> Dec 07	5.42	95.66	20	5.4

Source: USGS earthquake data base

## Appendix – V

### Landslide events in South Asia during 2007

Date	Location	Deaths	Injuries	Property damage	Type of Mass Movement
<b>AFGHANISTAN</b>					
4 <sup>th</sup> May 07	N. Afghanistan	1	1	-	Landslide
July 07	Takhar	8	-	-	Landslide
July 07	Kunduz	6	-	-	Landslide
<b>BANGLADESH</b>					
11 June 07	Chittagong	91	150	-	Mudslide
3 July 07	Teknaf and Ukhia Cox's Bazar district	19	-	-	Landslide
14 July 07	Himchhari, Cox's Bazar district	2	-	-	Mudslide
<b>BHUTAN</b>					
14 Sept. 07	Chukha dzong	2	-	-	Landslide
<b>INDIA</b>					
27 <sup>th</sup> Feb. 07	Panthal, Jammu Srinagar Highway	—	—	Highway blocked	Landslide
18 <sup>th</sup> March 07	Doda, Jammu and Kashmir	2	5	3 houses damaged	Landslide
24 <sup>th</sup> June 07	Chembur, Mumbai	2	-	-	Landslide
15 July 07	Kurseong and Darjeeling	-	-	Two houses damaged	Landslide
16 <sup>th</sup> July 07	Katahbari, Guwahati	2	-	-	Landslide
16 <sup>th</sup> July 07	Siliguri, Darjeeling	-	-	Damaged Road	Landslide
17 <sup>th</sup> July 07	Bardang near Singtam, Gangtok	-	-	Damaged National Highway31A	Landslide
20 July 07	Guwahati	7	-	-	Landslip
28 <sup>th</sup> July 07	Tura, West Garo Hills	9	-	3 houses damaged	Landslide
30 <sup>th</sup> July 07	Kinnaur	4	many	-	Landslide
30 <sup>th</sup> July 07	Chamba	3	-	-	Landslide
11 <sup>th</sup> Aug. 07	Chattru, Lahaul Spiti	1	2	-	Landslip
12 <sup>th</sup> Aug. 07	Kangra, H.P.	8	-	-	Landslide
15 <sup>th</sup> August 07	Dharla, H.P.	At least 62	-	14 house & a primary health care centre damaged	Landslide
2 <sup>nd</sup> Sept. 07	Nivsur & Ratangiri	-	-	Konkan Railway route	Landslide
6 Sept. 07	Pithoragarh	5 (9 others feared dead)	-	-	Landslide
7 Sept. 2007	Kalimpong, Darjeeling	6	-	80 houses damaged	Landslide

Date	Location	Deaths	Injuries	Property damage	Type of Mass Movement
16 Sept. 07	Guwahati	3	-	-	Mudslide
29 <sup>th</sup> Sept. 07	Loharkhet, Almora	4	-	-	Landslide
19 Oct. 07	Lalmati Near Kohima	-	-	Road damaged	Landslide
27 Oct. 07	Udhagamandalam-Coonoor, Near Nilgiris	1	2	Many House damaged	Landslide
<b>NEPAL</b>					
8 <sup>th</sup> Jan. 07	Khara area of Darchula district	3	20 missing	-	Landslide
27 April 07	Saptari	2	-	-	Landfall
1 <sup>st</sup> June 07	Garagaun in Jharkada VDC	-	-	80 family displaced	Landslide
10 <sup>th</sup> June 07	Tanahu	2	5	-	Landslide
13 <sup>th</sup> July 07	Baglung & Bajura	26	17	20 houses buried	Landslide
13 <sup>th</sup> July 07	Khumjung Village, in Solukhumbu district	-	-	14 family displaced	Landslide
3 <sup>rd</sup> August 07	Siddhartha Highway at Dovan VDC-5	-	-	Damaged highway	Landslide
3 <sup>rd</sup> August 07	Belawa-7, Bardiya	1	5	-	Landslide
13 <sup>th</sup> August 07	Baitadi and Darchula	9		40 family displaced & Dozens houses damaged	Landslide
24 <sup>th</sup> August 07	Gulmi	6	-	Many houses -damaged	Landslide
25 <sup>th</sup> August 07	Phythun	5	Dozens have missing	Many houses damaged	Landslide
31 <sup>st</sup> August 07	Gulmi, Argakhanchi and Banke districts	6	5 injured	-	Landslide
4 <sup>th</sup> Sept. 07	Palpa and Kalikot districts	5	3 missing	10 houses damaged	Landslide
6 Sept. 07	Makwanpur district	2	3 injured		Landslide/flood
6 Sept. 07	Naubise-Simbhanjyang	-	-	Block Tirbhuwan highway	Landslide
9 <sup>th</sup> Sept. 07	Kaski and Nawalparasi districts	6	120 families displaced		Landslide/flood
9 <sup>th</sup> Sept. 07	Ladabhir and Sirthauli VDCs in Sindhuli district	6	100 family displaced	Houses damaged	Landslide
9 <sup>th</sup> Sept. 07	Sarankot village Near Pokhara	4	-	Many houses buried	Mudslide
29 <sup>th</sup> Sept. 07	Bhairavsthan VDC and Laghuwa of Deurali VDC	-	-	Damaged road & many houses	Landslide
<b>PAKISTAN</b>					
9 <sup>th</sup> Jan. 07	Muzaffarabad,	15	3	-	Landslide
27 <sup>th</sup> Feb. 07	POK	37	-	-	landslide
27 <sup>th</sup> Feb. 07	Dir (NWFP)	6	2		Avalanche
21 <sup>st</sup> March 07	Kashmir, Pakistan & Northern Pakistan	67	-	-	Landslide/roof collapse

Date	Location	Deaths	Injuries	Property damage	Type of Mass Movement
22 <sup>nd</sup> March 07	Kashmir, Pakistan	6	20 missing	-	Landslide
8 <sup>th</sup> July 07	Pattan district	24	15	-	Landslide
13 Aug. 07	Kohistan	13	7 missing	200 houses & 40 shops damaged	Landslide/flood
<b>SRI LANKA</b>					
11-12 <sup>th</sup> January 07	Akkara Seeya	-	72 families affected	-	-
	Mahawewa	-	56 families affected	-	-
	Kandura Kade	-	10 families affected	Padiyapelella-Rikillagaskanda road has been blocked	-
	Uda Padiyapelella	-	10 families affected	-	-
	Elamulla Junction-Padiyapelalla	1	05 families affected	-	-
	Pilapitiya Villege	-	11 families affected	Down slope with Hanguranketha town has failed	-
	Muloya Oak Watta	-	29 families affected	-	-
	Handawalapitiya	-	38 families Affected	14 houses and 24 line houses have been evacuated	-
	Ritiella	-	86 families Affected	9 houses completely destroyed	-
	Pussalapitiya	-	27 families Affected	-	-
	Madulla	-	3 families Affected	-	-
	Wettasthenna		6 families affected	6 families evacuated and 11 families at risk	-
12 <sup>th</sup> January	Ladupita-Kiriwanella-Maunawatta	11	-	-	Landslide
14 Jan. 07	Walapane, Maturata and Hanguranketa, Kadurukade	18	15 & 10,000 affected	1500 houses damaged	Landslide
4 <sup>th</sup> May 07	Southern port of Galle	6	869 displaced	-	Landslide/flood
4 <sup>th</sup> May 07	Nagoda Area	2	-	-	Earth slip
16 <sup>th</sup> May 07	Kamurugamuwa	-	-	Several Houses & Crop were damaged	Landslide

Source: UN and other international agencies, National agencies and news

## Appendix – VI

### Technological Disasters in South Asia in 2007

Date	Country	Location	Disaster Type	Nos. killed	Total Affected
24.9.07	Afghanistan	South	Road Accident	40	40
6.1.07	Bangladesh	Comilla	Road Accident	41	14
10.1.07	India	Allahabad, UP	Misc. Accident (building collapse)	11	24
18.1.07	India	Krishna river	Water Accident	64	
1.2.07	India	Haryana	Road Accident	12	14
20.2.07	India	Thattakede, Kerala	Water Accident	38	10
26.2.07	India	Udhampur, Kashmir	Road Accident	12	
12.3.07	India	Uttarakhand region	Road Accident	18	28
14.5.07	India	Andhra Pradesh	Road Accident	22	
19.5.07	India	Shillong, Megalaya	Road Accident	18	
19.7.07	India	Bombay	Misc. Accident (building collapse)	29	15
11.8.07	India	Khondroo Kashmir	Misc. Accident (ammunition depot fire)	26	20020
7.9.07	India	Rajsamund distt., Rajasthan	Road Accident	80	130
9.9.07	India	Hyderabad, Andhra Pradesh	Misc. Accident (bridge collapse)	20	
14.10.07	India	Gujarat	Misc. Accident	12	7
20.8.07	Nepal		Road Accident	20	
5.9.07	Nepal	Kanchanpur, Banke	Water accident (ferry)	26	
25.12.07	Nepal		Misc. Accident (bridge collapse)	15	35
20.8.07	Pakistan	Kashmir	Road Accident	25	
19.12.07	Pakistan	Nosheroferoz Sindh province	Road Accident	40	250

Source: Emergency Data (EM-DAT) base of Centre for Epidemiology of Disasters, Leuven, Belgium



ISBN No. 978-81-907841-1-5



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